



# OWNER'S MANUAL

Version 1.0 | 02/02/2023  
67009020024SS -MAN

## 2'x4' HOBBY PRO EVAPORATOR



**Thank you for choosing a CDL wood evaporator. Our 40 years of experience serving maple syrup producers means that you've purchased a high-quality, powerful piece of equipment.**

## **INFORMATION**

**Record these details for future reference**

Brand: \_\_\_\_\_

Date purchased: \_\_\_\_\_

Model number: \_\_\_\_\_

Serial number: \_\_\_\_\_

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## SAFETY

Wood evaporators can be dangerous. Always wear heat-proof gloves and clothing when operating an evaporator. Sugar shacks often have visitors. Make sure all visitors, especially children, stay a safe distance away from the evaporator.

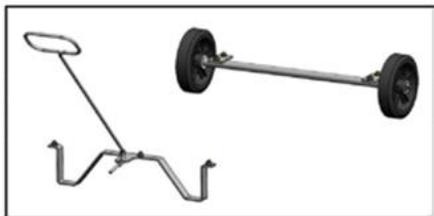
Wood-burning evaporators run on solid fuel (wood) and produce intense heat in the front and near the chimneys. When placing your evaporator, make sure the floor is made of cement or ceramic tiles that are strong enough to bear the weight of the evaporator and its contents. Additionally, the evaporator must be at least 24" away from the walls on all sides. If you need to place the evaporator closer to a wall, install a heat-resistant coating on that wall. We strongly recommend that you contact your insurance company to ensure that the evaporator is installed according to their safety rules, as companies have different requirements.

## BASIC COMPONENTS INCLUDED

- Panels and door for assembling
- Nuts and bolts
- Handle
- Ceramic wool 3x (23" x 48")
- Black steel 90° elbow
- 2, 6" pipes, black steel

## OPTIONAL PARTS

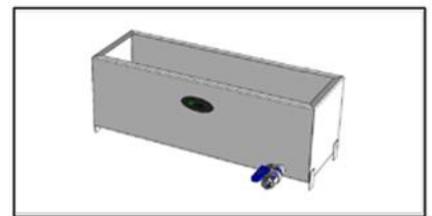
NUMBER	DESCRIPTION	NUMBER	DESCRIPTION
67009021324	WHEEL KIT	67009022024	DELUXE PAN 24" x 48"
67009021424	3-WAY PAN 24" x 48"	67009021724	22 FIRE BRICKS 1-1/4" x 4-1/2" x 9"
67009021524	FLAT BOTTOM PAN 24" x 48"	670096	STOVE PAN
670090219	WATER LEVEL	EITC0306	THERMOMETER



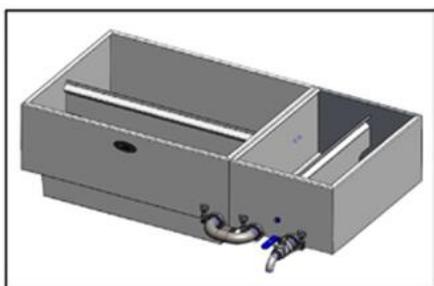
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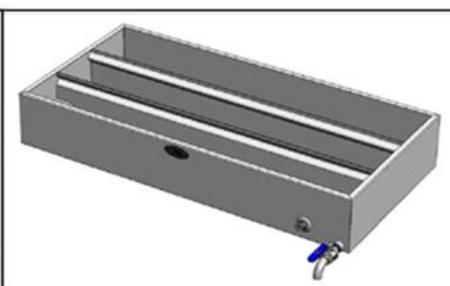
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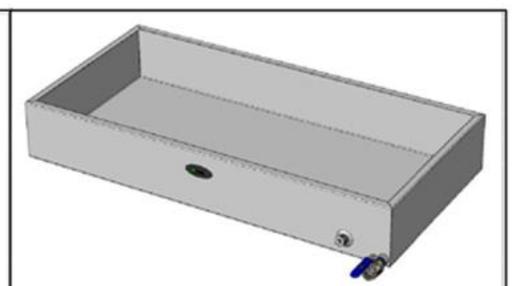
670096



67009022024



67009021424

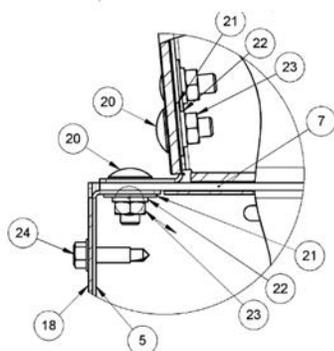
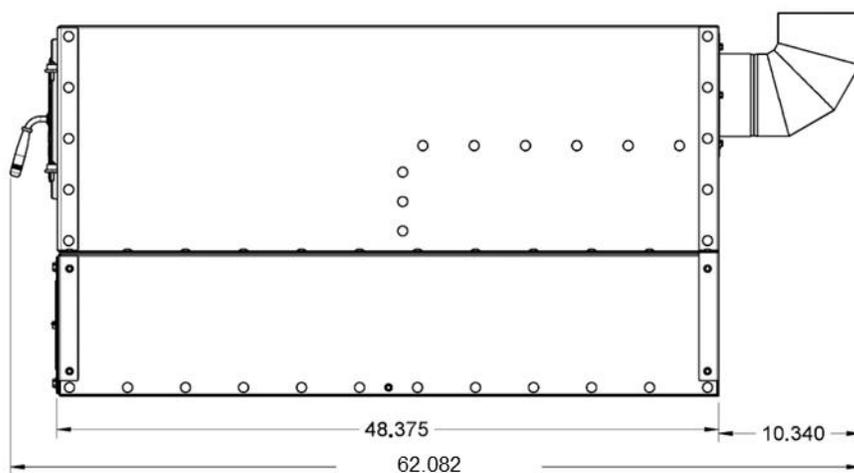
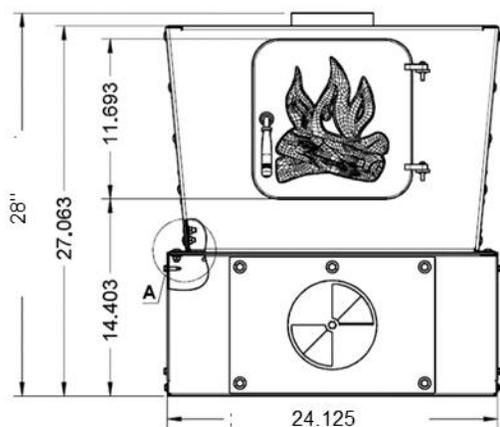


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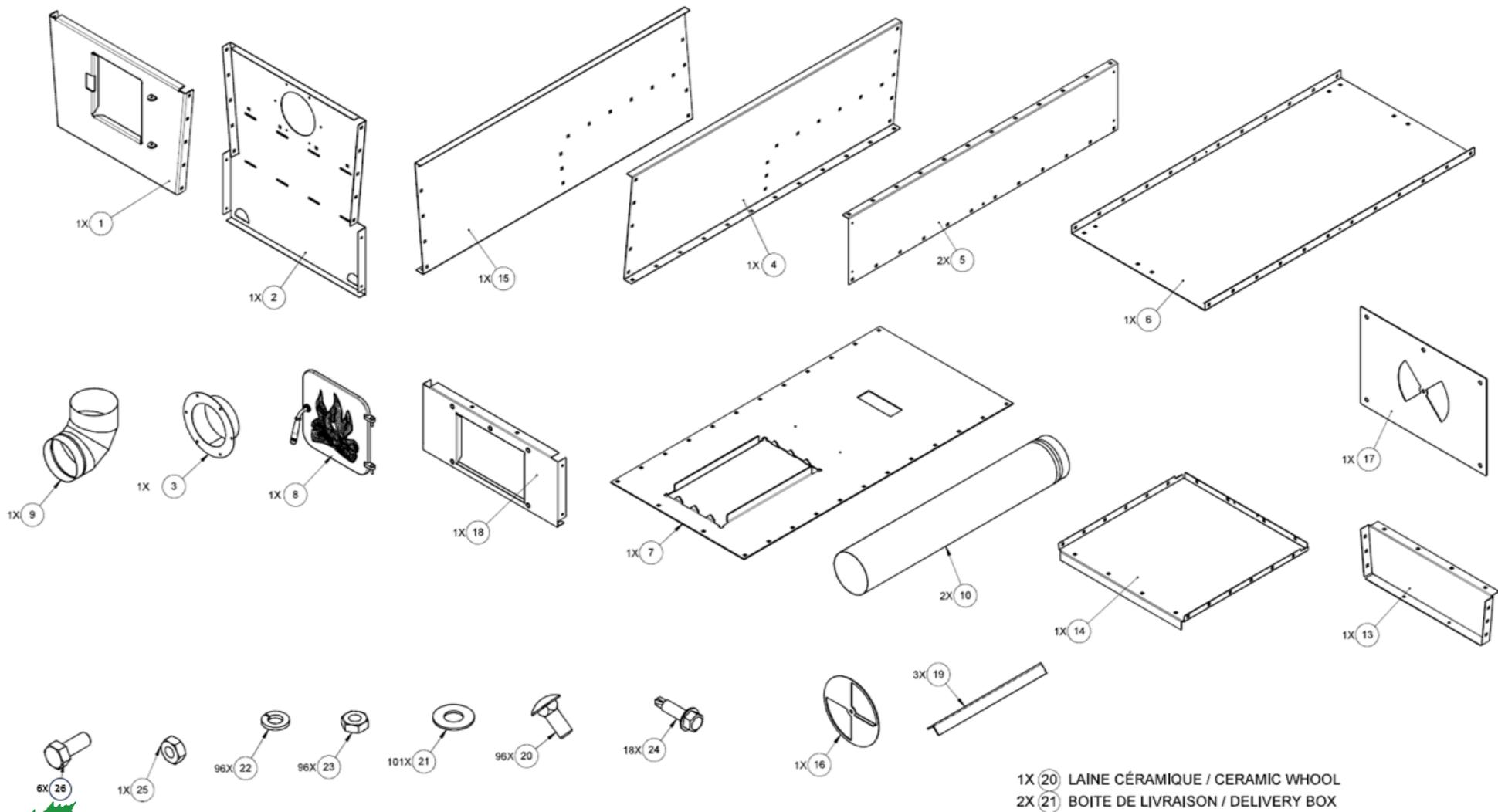
## ASSEMBLY AND INSTALLATION

Please make sure to follow the steps below to ensure proper operation of the evaporator.

#	Number	Qty	Description
1	EVHO-A00039	1	FRONT PANEL ASSEMBLY SS
2	EVHO-P00056	1	REAR PLATE SS
3	EVHO-A00026	1	6IN DUCT COLLAR
4	EVHO-P00057	1	SIDE PLATE SS
5	EVHO-P00058	2	LOWER SIDE PLATE SS
6	EVHO-P00059	1	BOTTOM PLATE SS
7	EVHO-P00060	1	MIDDLE PLATE SS
8	EVHO-A00021	1	HOBBY EVAPORATOR DOOR ASSEMBLY
9	670090210	1	ELBOW 90° X 6" FOR CHEMINY
10	670090211	2	CHIMNEY SECTION 6" X 36" LONG
11	EVHO-P00062	1	FRONT PLATE SS
12	EVHO-P00063	1	FRONT PLATE SS
13	EVHO-P00064	1	SIDE PLATE SS
14	EVHO-P00087	1	HOBBY EVAPORATOR VENTILATION DISC SS
15	EVHO-P00077	1	SHEETMETAL
16	EVHO-A00040	1	FRONT PANEL ASSEMBLY SS
17	EVHO-P00100	3	FER ANGLE
18	BCAI-T051-0750	96	CARRIAGE BOLTS 5/16-18 X 3/4" SS
19	RFLI-T0375	101	FLAT WASHER (SS) DIA 3/8"
20	RLOI-T0313	96	LOCK WASHER (SS) DIA 5/16"
21	EHEI-T051	96	HEX. NUTS 5/16-18 SS
22	BAUI-T04I-1000	18	SELF-DRILLING "TECK" SCREWS 1/4 X 1" SS
23	ESTI-T051	1	STOVER NUT (SS) 5/16-18 NC
24	BHEI-T051-0750	6	HEX. CAP SCREWS 5/16-18 X 3/4" SS

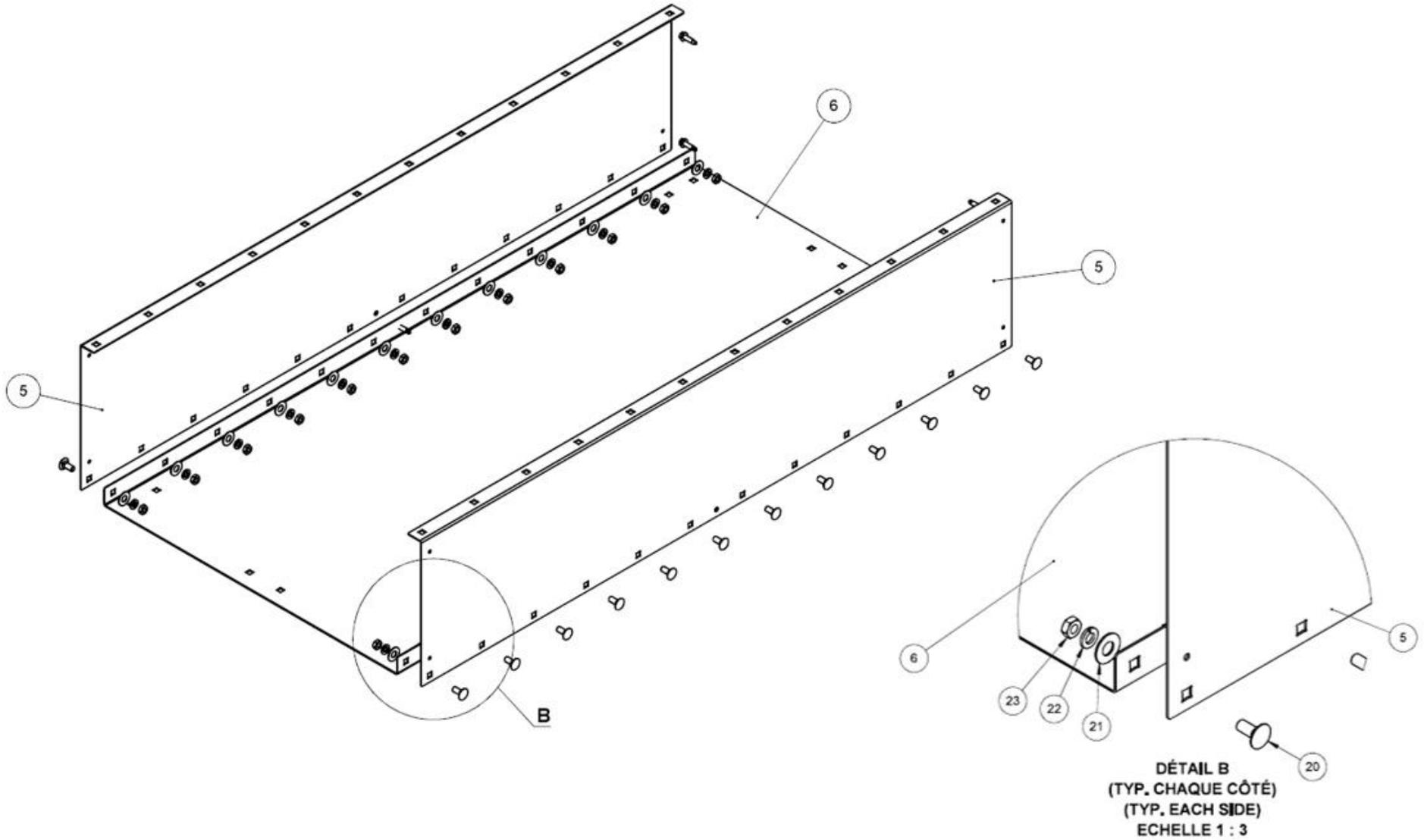


# COMPONENTS



# STEP 1

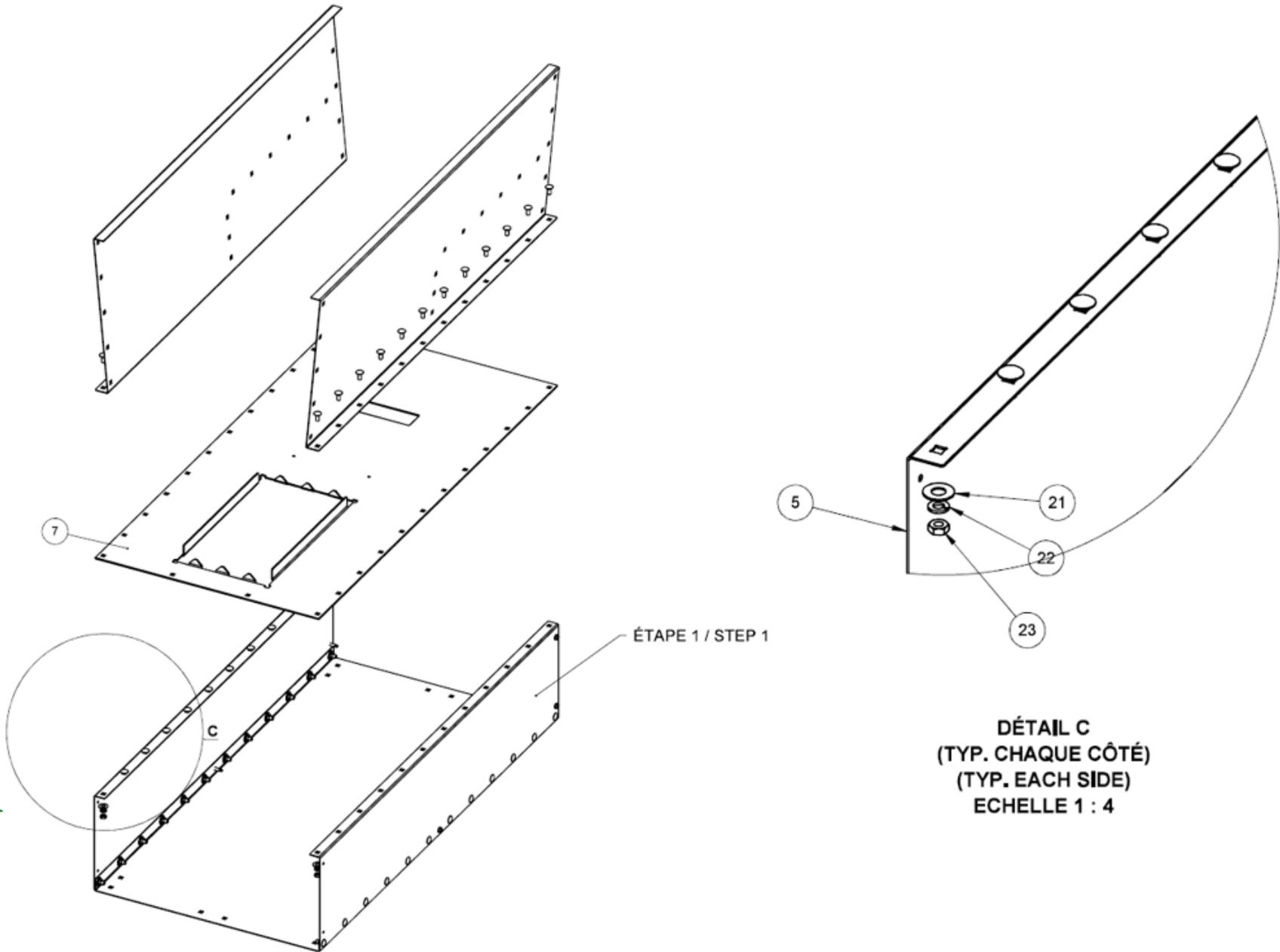
## Assembling the evaporator base



# STEP 2

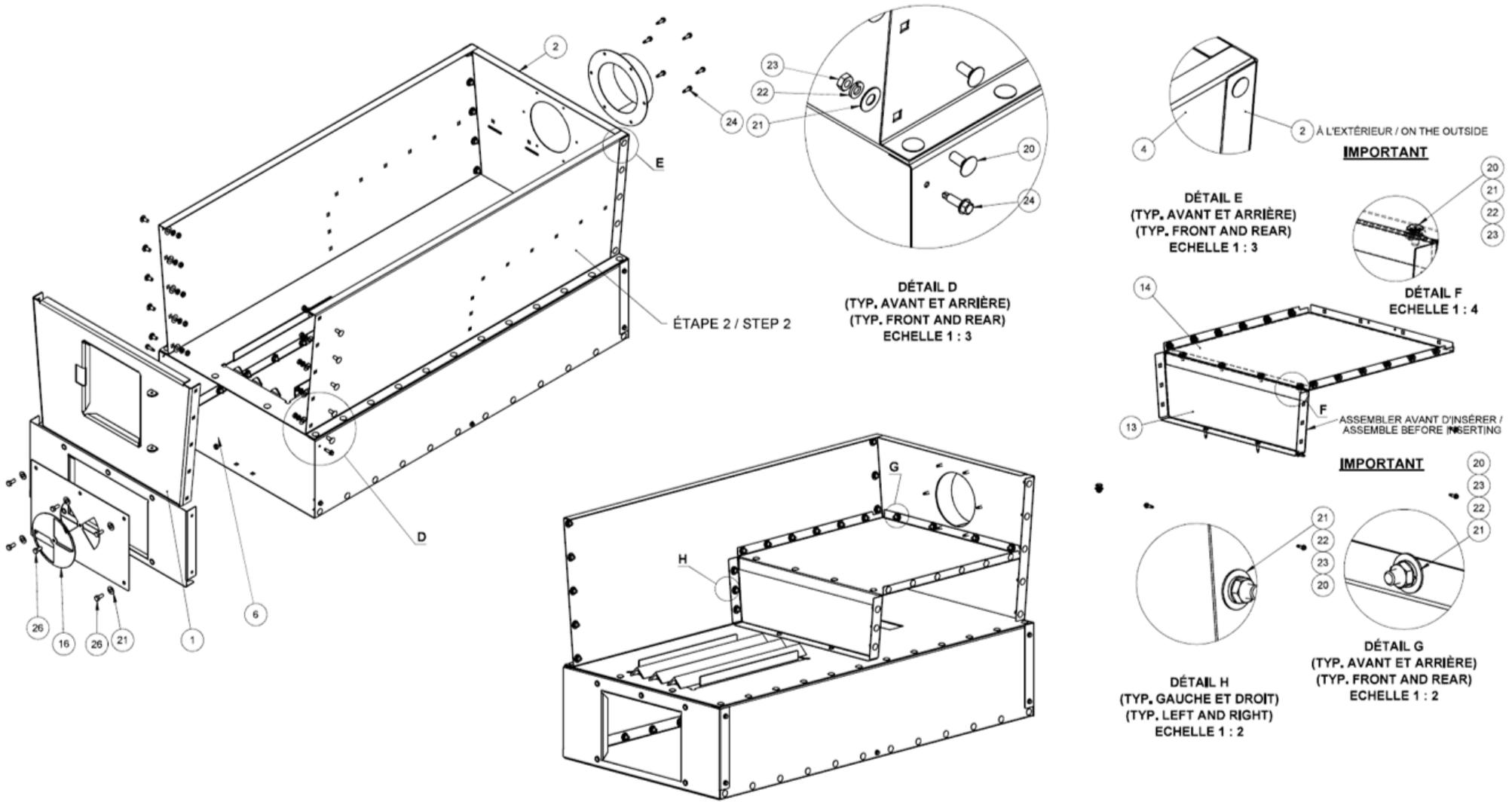
## Assembling the evaporator base

8



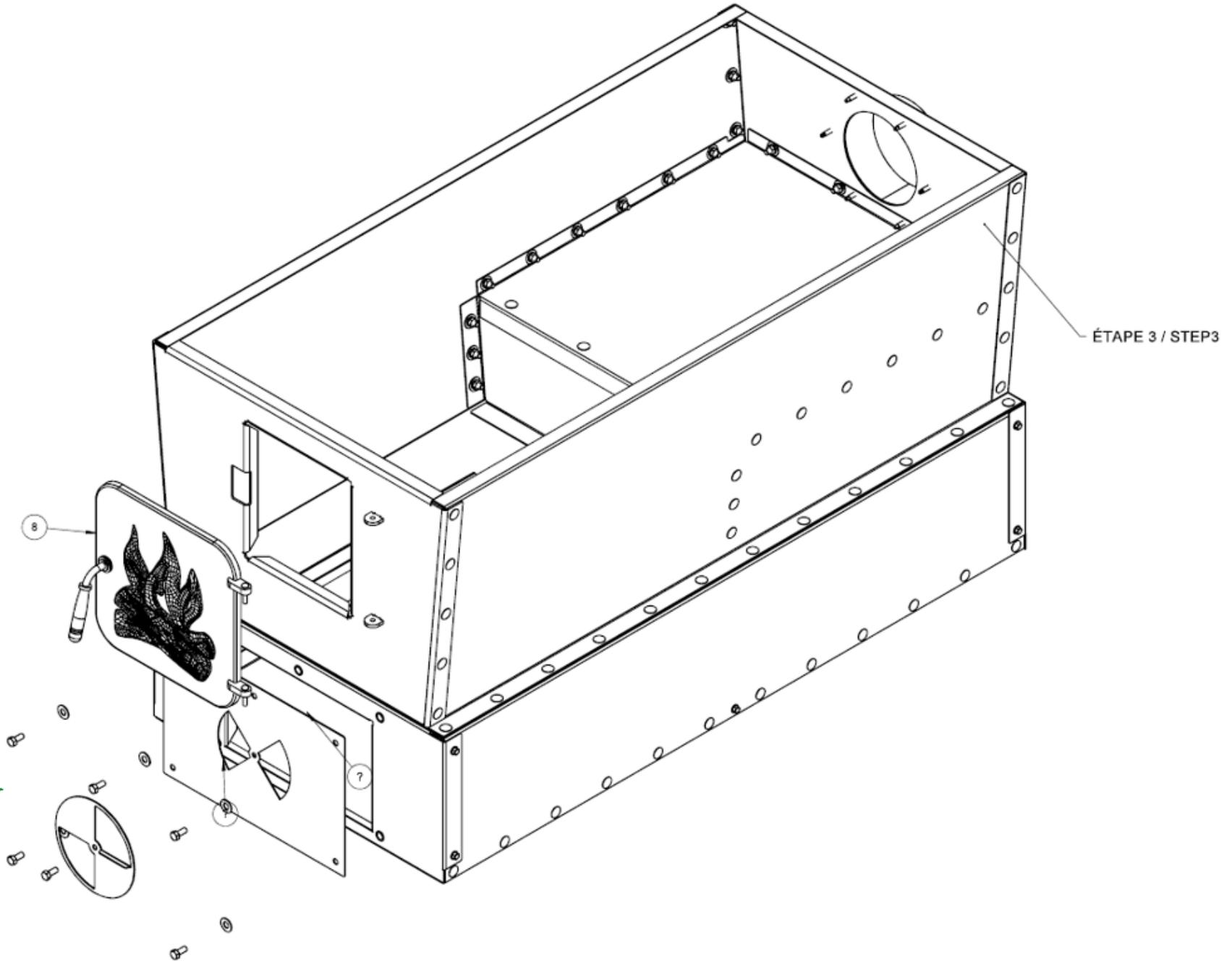
# STEP 3

## Assembling the evaporator base



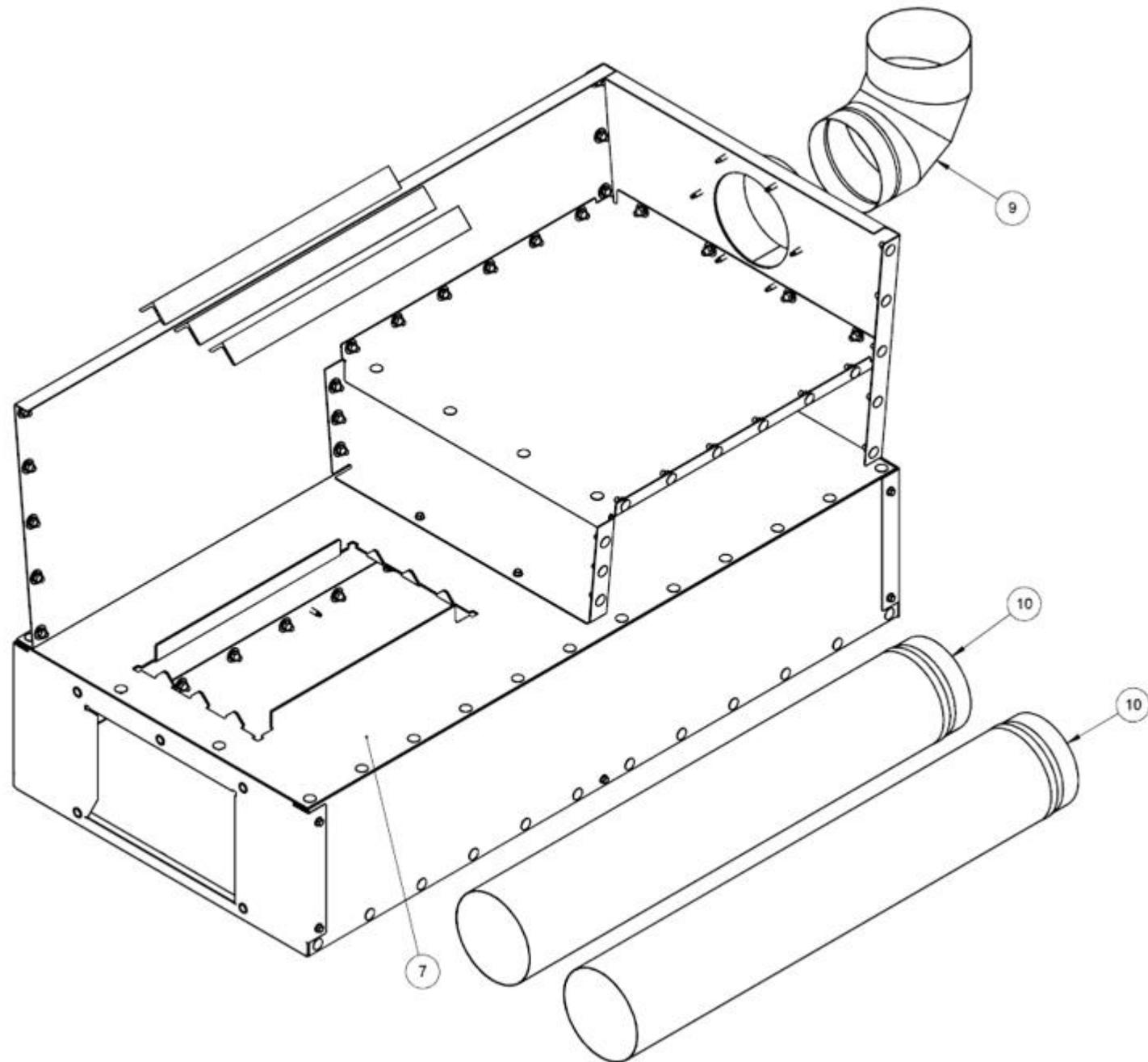
# STEP 4

Installing the door and ventilation disc



## STEP 5

Installation of the chimney and grilles

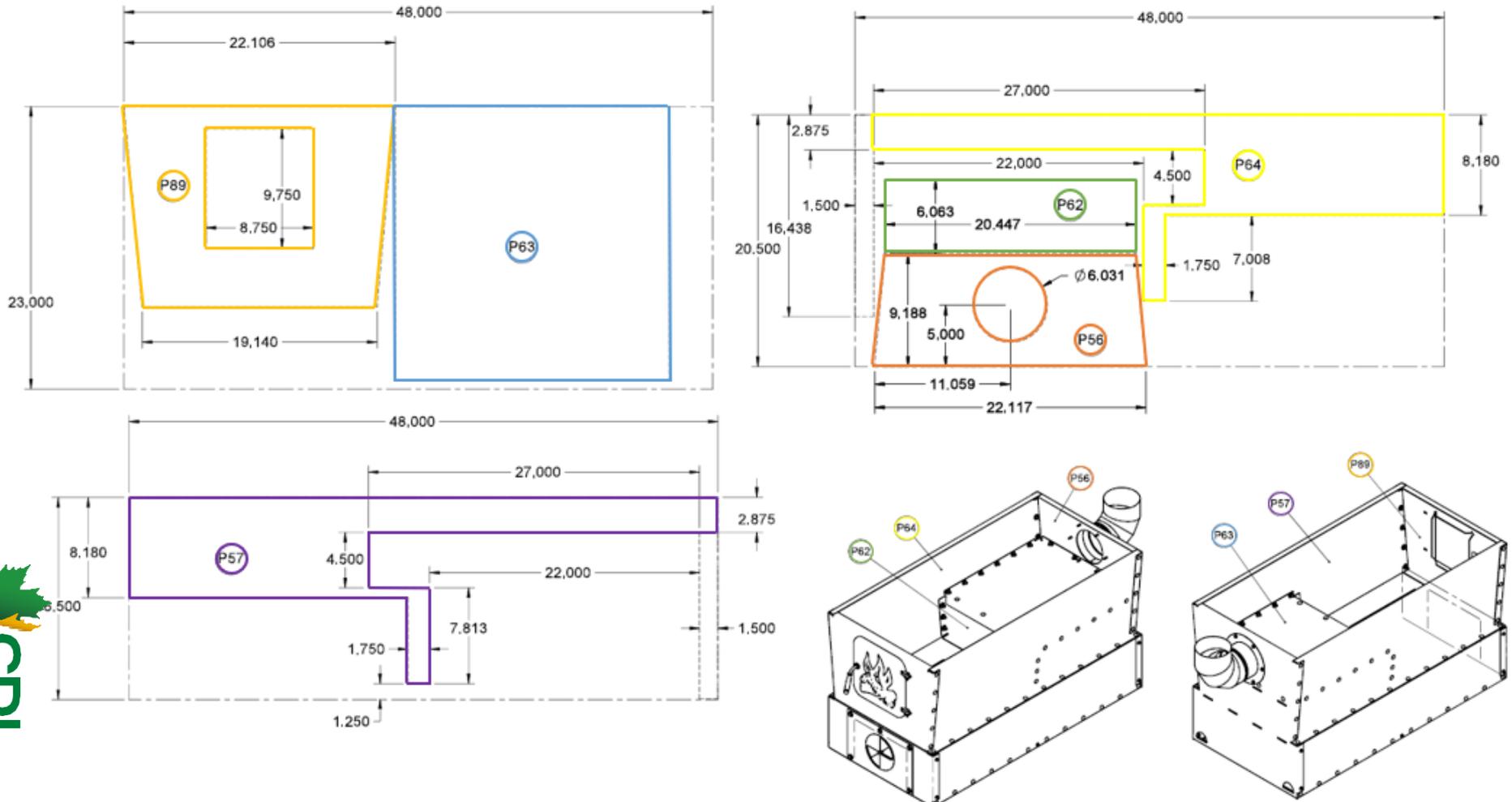


## STEP 6 - Wool cutting and insulation

Use scissors or a bladed knife to cut out each piece. Refer to the cutting diagram below. Measure and cut following the colored lines.

Cut out the insulation parts P56, P57, P62, P63, P64 and P89 following the diagram below.

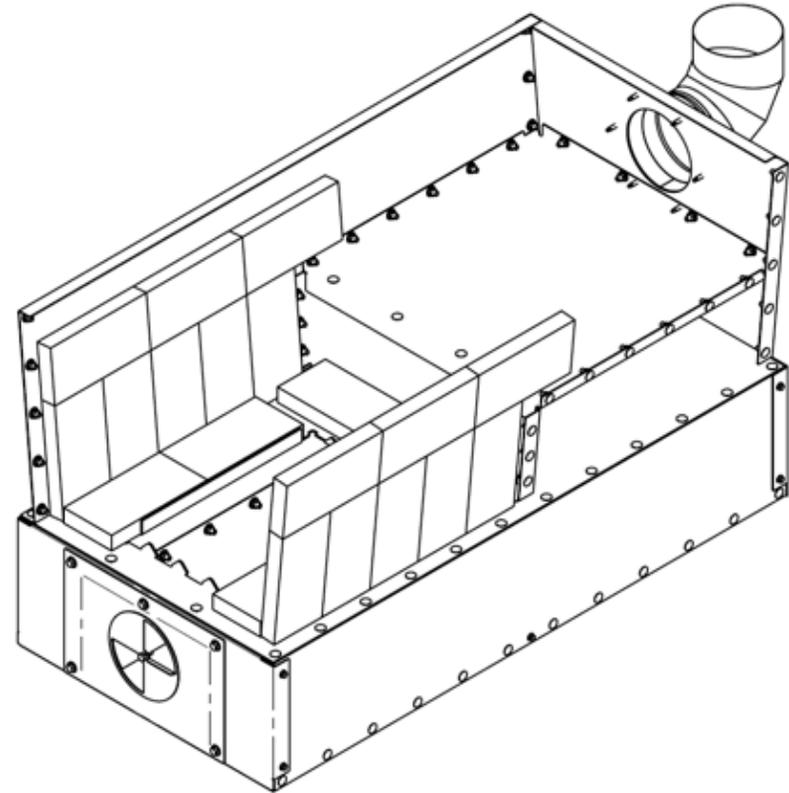
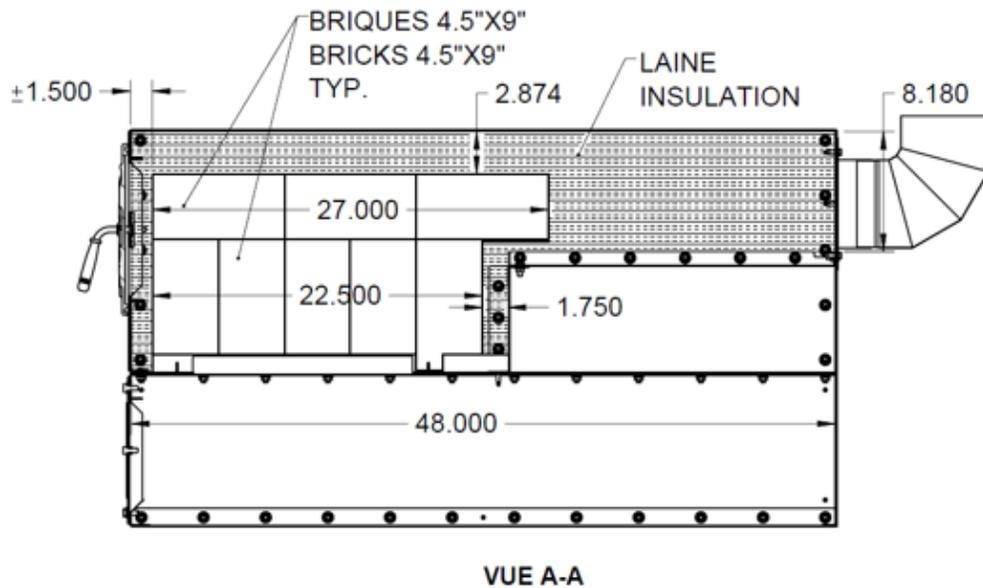
Then insulate the panels with the cut out pieces. Carefully cut around the edges of the openings once the piece is installed.



## STEP 7 – Bricking the evaporator

22 1-1/4 in. x 4-1/2 in. x 9 in. bricks (OPTIONAL - item 670090217) are required to complete the complete bricklaying (bricks not included). You can order the necessary bricks when you place your order or purchase them from a CDL dealer near you.

Once the brickwork has been completed, use the remaining wool to insulate the sides not covered by the bricks.





## **IMPORTANT SAFETY NOTE**

**THE AREA IN FRONT OF THE EVAPORATOR DOOR IS VERY HOT WHEN THE DOOR IS OPEN. ALWAYS WEAR HEAT-RESISTANT GLOVES, PROTECTIVE CLOTHING AND SAFETY GOGGLES. INSUFFICIENT PROTECTION MAY LEAD TO SEVERE BURNS.**

## **OPERATING THE EVAPORATOR**

### **Before turning the evaporator on:**

- First, make sure you have at least 2" of water in the pan.
- Prepare the fire in the firebox using split hardwood, 2" to 3" in diameter and 16" long. Fill the firebox to within 4" of the syrup pan. Make sure the wood is at least 4" from the doors. Light the fire.
- Keep a close eye on the water level in the pan.
- The maple syrup is ready when it reaches 7 degrees above the boiling point of water. Open the valve when the syrup reaches this temperature and close the valve as soon as the temperature drops.
- Repeat each time the temperature reaches 7 degrees above the boiling point.

### **Adjusting the draft:**

The evaporator's draft is adjusted by opening and closing the draft hatch (step 3 - item 16). The smaller the gap, the lower the draft.

## WARRANTY

Your evaporator is covered by a 2-year limited warranty. For two years from your original date of purchase, CDL Sugaring Equipment Inc (CDL), will replace or replace any parts of this evaporator that prove to be defective in materials or workmanship when such evaporator is installed, used and maintained according to the instructions provided in the user manual.

### Exclusions

This warranty does not cover the following:

1. Products with original serial number that have been removed, altered or cannot be readily determined.
2. Product that has been transferred from its original owner to another party or removed outside the USA or Canada.
3. Production loss due to any kind of failure of the evaporator.
4. Revenue losses due to syrup quality.
5. Service calls which do not involve malfunction or defect in materials or workmanship, or used other than in accordance with the provided instructions.
6. Service calls to correct the installation of your evaporator or to instruct you how to use your evaporator.
7. Expenses for making the evaporator accessible for servicing, such as the removal of wall, shelves etc.
8. Service calls to repair insulation or the bricking job.
9. Crack cast iron parts if a blower was used in the evaporator.
10. Any service beyond the first two years.
11. Damages caused by: services performed by unauthorized service companies; use of parts other than genuine CDL parts or parts obtained from persons other than authorized service companies; or external causes such as abuse, misuse, inadequate power supply, accidents, fires, or acts of God.
12. It doesn't cover the consumable products or accessories.
13. If the product was damaged by abusive use, negligence, accident caused by the customer, modification made by the customer.
14. Damage cause by the use of products that are not meant for use with our equipment or a bad use of a product as acids, cleaning products.
15. Use of painted wood or any wood containing chemicals, glue or any other added agent.
16. Use of any other burning agent than wood.

## **Disclaimer of implied warranties; limitation of remedies**

Customer's sole and exclusive remedy under this limited warranty shall be repair or replacement as provided herein. Claims based on implied warranties, including warranties of merchantability or fitness for a particular purpose, are limited to two years or the shortest period allowed by law, but not less than two years. CDL shall not be liable for consequential or incidental damages such as property damages and incidental expenses or loss or revenues caused by any event covered by this warranty. Some states and provinces do not allow the exclusion or limitation of incidental or consequential damages, or limitations on the duration of implied warranties, so these limitations or exclusions may not apply to you. This written warranty gives you specific legal rights. You may also have other rights that vary from states to states.

## **If you need service**

Keep your receipt, delivery slip or some other appropriate payment record to establish the warranty period should service be required. If service is performed, it is in your best interest to obtain and keep all receipts. Service under this warranty must be obtained by contacting CDL at the addresses or phone numbers below.

Obligations for service and parts under this warranty will be performed by CDL in Canada. Products features or specifications as described or illustrated are subject to change without notice.

CDL Sugaring Equipment Inc  
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Saint-Lazare-de-Bellechasse, QC G0R 3J0  
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